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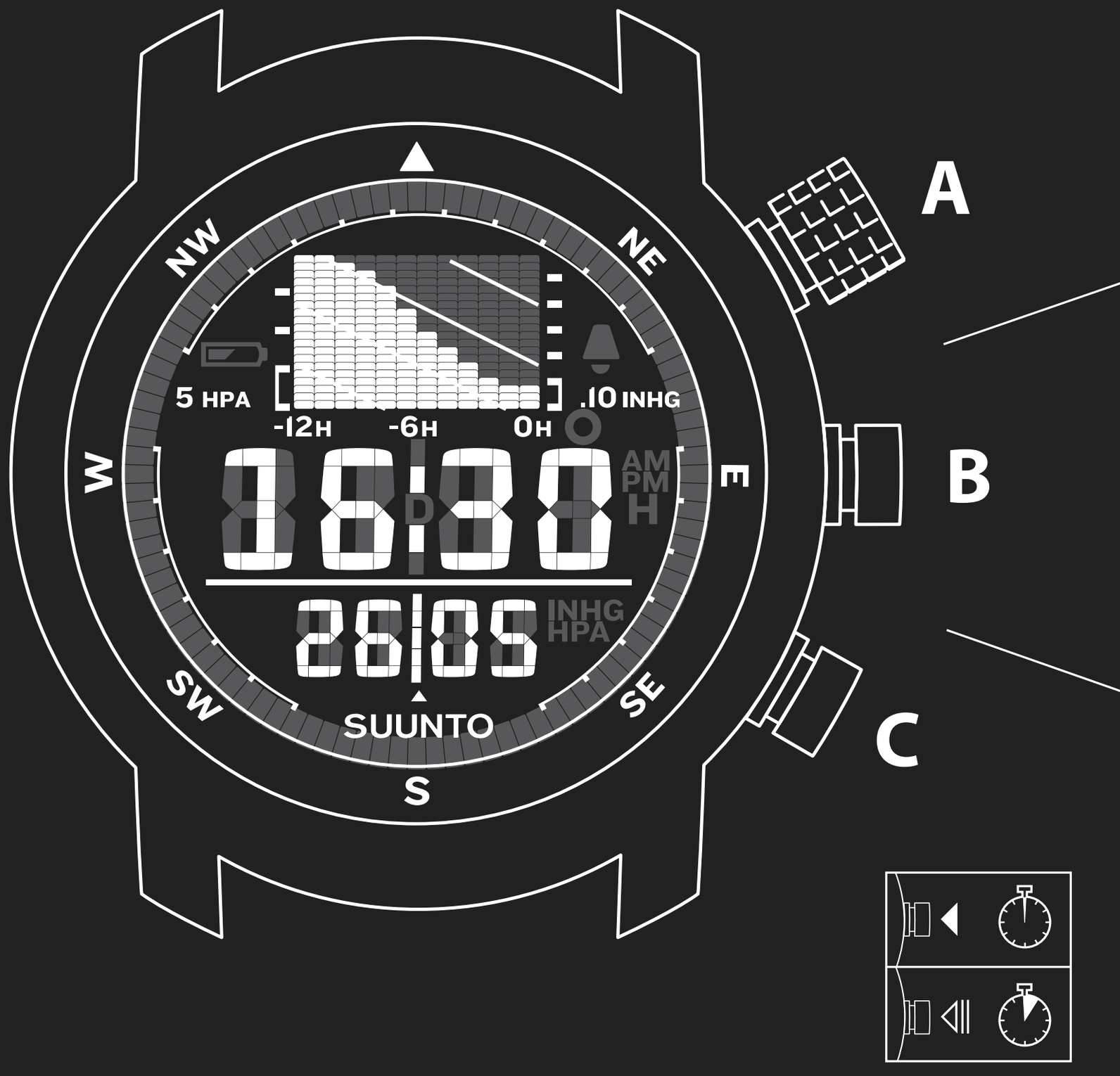
SUUNTO ELEMENTUM VENTUS

USER GUIDE


A
B
C
NW
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5 HPA
.10 INHG
-12H
-6H
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H
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HPA
SUUNTO

SETTINGS

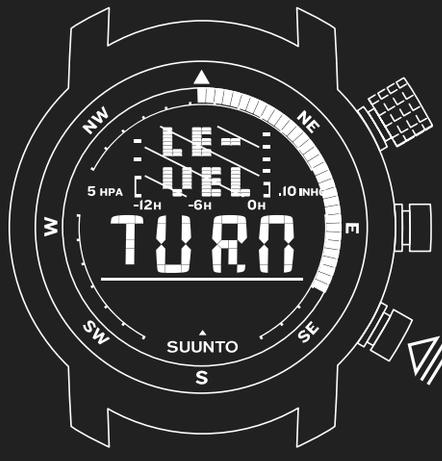
AIR PRESSURE / DATE

MEMORY

SAILING

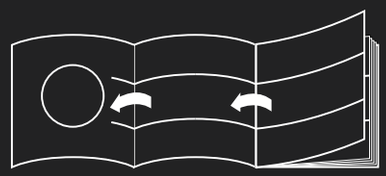
TIME

COMPASS



CALIBRATION

Functions:
_Time, date, alarm
_Backlight
_Barometric pressure trend graph (12 h)
_3D compass
_Sailing timer
_Chronograph
_Log: 24 h baro. graph



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GETTING STARTED

Thank you for choosing Suunto Elementum Ventus, a digital sports watch for sailing. To get started:

1. Press any button to activate the watch.
2. Keep [A] pressed to enter **SETTINGS**. The active setting blinks on the display.
3. Rotate [A] to change the value.
4. Press [A] to accept the change and move to the next setting.

After changing the settings, you will return to **TIME** mode.

Be sure to register your watch at www.suunto.com/register to get the full range of Suunto support. Also visit www.suunto.com/support to get the complete user guide and additional information.

SETTINGS

1. In **TIME** mode, keep [A] pressed to enter/exit **SETTINGS**.
2. Rotate [A] to change the values.
3. Press [A] to accept.
4. Press [B] or [C] or keep [A] pressed to exit.

BACKLIGHT

Keep [B] pressed to activate the backlight.
NOTE: *To save power, backlight blinks when used in* ***COMPASS*** *view.*

TIME/SAILING

Press [B] to switch between **TIME** and **SAILING** mode.

BUTTON LOCK

Press [A] and [B] at the same time to activate/open button.

COMPASS

- Press [C] to enter.
- Keep [C] pressed to start the compass calibration.
- While calibrating compass, keep the device level and stabile when rotating. 'Level' blinks on the display if the device is not level or stabile.
- Press [B] or [C] to exit compass.

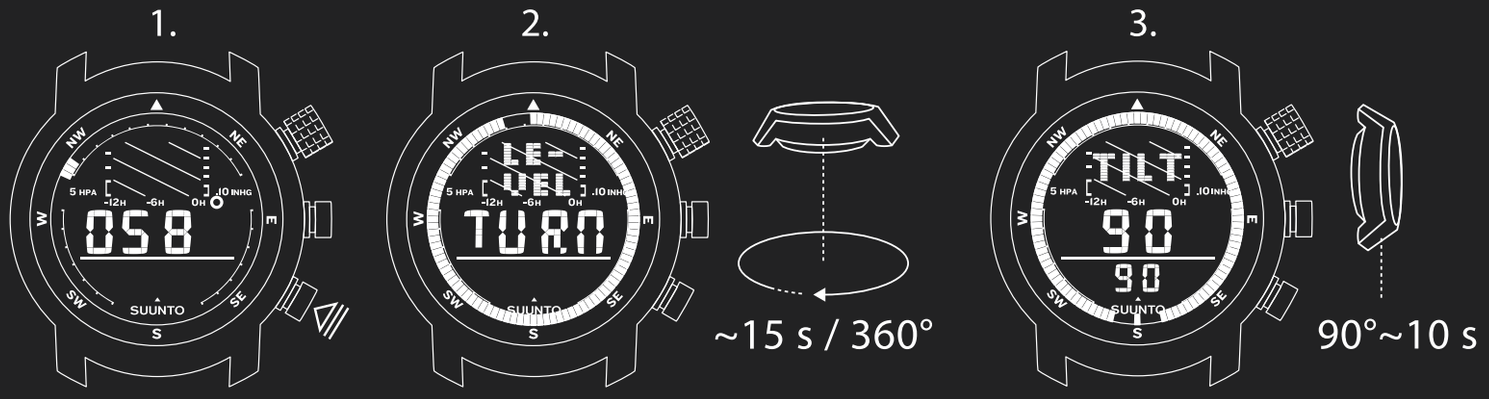
MEMORY

1. In **TIME** mode, you can see the air pressure recordings of the last 12 h. Rotate [A] to browse the recordings of the last 24 h prior to the visible 12 h.
2. When rotating, the pressure graph moves and shows corresponding time and pressure.
3. Press [B] or [C] to exit.

SAILING TIMER

1. Switch to **SAILING** mode. The default time shown in the sailing timer is 5’00.
2. Rotate [A] to adjust the time, if needed.
3. Press [A] to start the timer.
4. Press [C] to synchronize the timer downwards to the next full minute.
5. Press [A] to stop the timer.
6. Keep [C] pressed to reset the timer.

COMPASS CALIBRATION



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1 GETTING STARTED

In Suunto Elementum Ventus there are two modes: **TIME** and **SAILING** mode. Switch between them by pressing [B].

Suunto Elementum Ventus also features **COMPASS** view. Press [C] to activate it.

In **TIME** mode the watch functions as a normal watch. **SAILING** mode includes sailing and race timers.

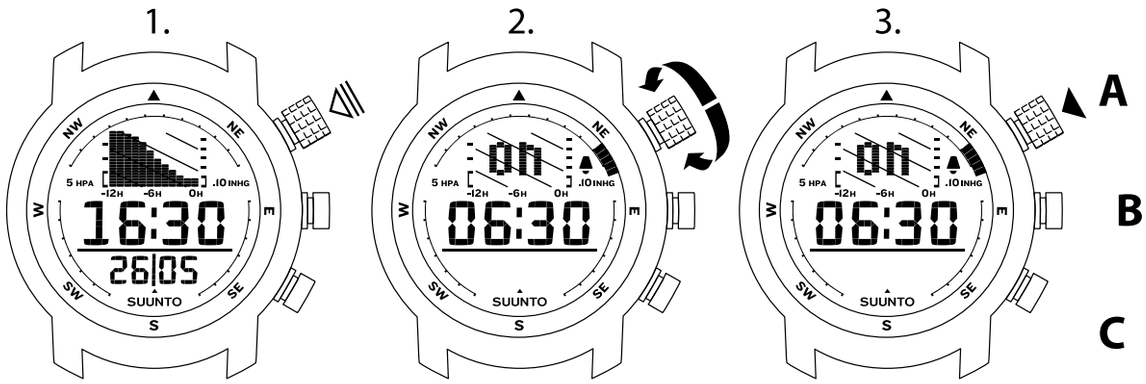
COMPASS view helps you to orient yourself in relation to magnetic North.

Change the settings of your Suunto Elementum Ventus in **SETTINGS**. View air pressure recordings in **MEMORY**.

1.1 Changing general settings

To change the general settings:

1. In **TIME** mode, keep [A] pressed to enter **SETTINGS**. The active setting is blinking on the display.
2. Rotate [A] to change the value.
3. Press [A] to accept the change and to move to the next setting.
4. After changing the settings you will return to **TIME** mode.



TIP: *You can exit* ***SETTINGS*** *at any time by pressing [B] or [C] or keeping [A] pressed.*

You can change the following general settings on your Suunto Elementum Ventus:

- alarm: on/off
- alarm time: hours and minutes
- time format: 12h/24h
- time: hours, minutes, and seconds
- date format: d/m or m/d
- date: year, month, day
- pressure format: hPa/inHg

1.2 Using alarm

Set the alarm on/off and the alarm time in **SETTINGS**. When the alarm is on, is shown on the display.

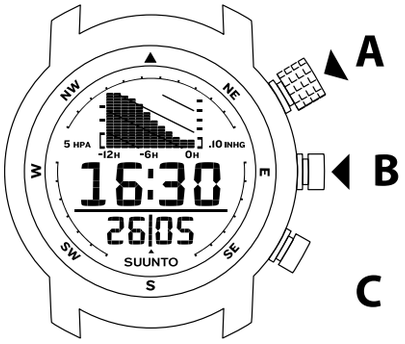
When the alarm goes off, press any button to turn it off. The alarm goes off the same time the following day.

1.3 Using button lock

The button lock can be activated in **TIME** and **SAILING** mode.

To activate the button lock:

1. Press [A] and [B] at the same time. When the button lock is activated, only the backlight works.
2. To open the button lock, press [A] and [B] at the same time.



1.4 Activating backlight

The backlight can be activated in both modes and **COMPASS** view. Keep [B] pressed to activate the backlight. The backlight stays activated for 5 s.

NOTE: *If you want to use the backlight in* ***MEMORY*** *or* ***SETTINGS****, activate it before entering them.*

NOTE: *Heavy use of the backlight significantly reduces battery life. To save power, the backlight blinks when used in* ***COMPASS*** *view.*

2 USING SUUNTO ELEMENTUM VENTUS

2.1 Time mode

TIME mode is the default mode of the device. Time, date and absolute air pressure are shown on the **TIME** mode display. Rotate [A] upwards to toggle between absolute air pressure and date.

2.1.1 Viewing air pressure recordings

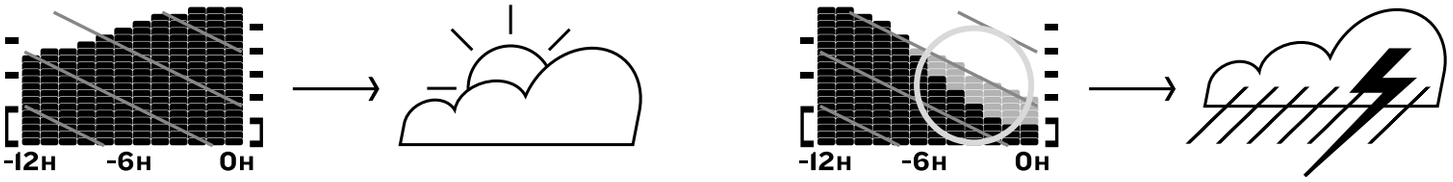
Suunto Elementum Ventus measures the absolute air pressure automatically every minute. The air pressure graph is updated every hour.

To view air pressure recordings:

1. In **TIME** mode, you can see the air pressure recordings of the last 12 h. Rotate [A] to browse the recordings of the last 24 h prior to the visible 12 h.
2. When rotating, the pressure graph moves and shows corresponding time and pressure.
3. Press [B] or [C] to exit.

Compare the air pressure graph to the lines printed on the display. When the air pressure has dropped 4hpa/0.12inHg or more during a 3-hour period (last 4 readings), there is a high possibilty of bad weather. Rising air pressure graph indicates good weather.

NOTE: *The air pressure graph is valid only if your altitude has not changed.*



2.2 Sailing mode

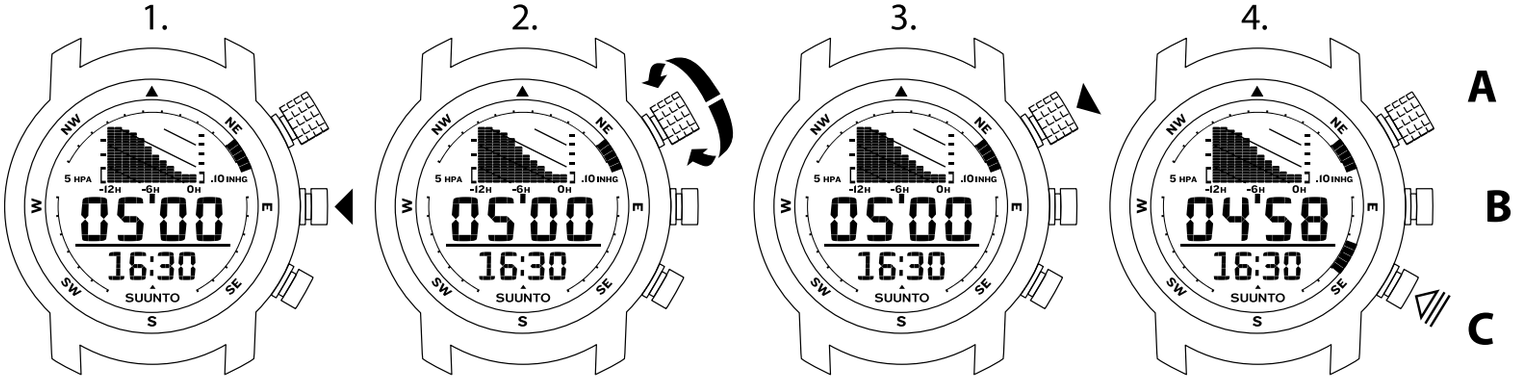
SAILING mode features a sailing timer and a race timer, which help you measure the time to start and the time during the race.

2.2.1 Using sailing timer

Use the sailing timer to countdown the remaining time before the race start, so you will cross the start line at the right time.

To set the sailing timer:

1. Press [B] to switch to **SAILING** mode. The default time shown in the sailing timer is 5'00.
2. Rotate [A] to adjust the time, if needed.
3. Press [A] to start and stop the timer.
4. Keep [C] pressed to reset the timer.



During the countdown, Suunto Elementum Ventus gives you a signal:

- every ten minutes, until 10 minutes is left.
- every minute, until 1 minute is left.

- every ten seconds, until zero is reached.
- when zero is reached.

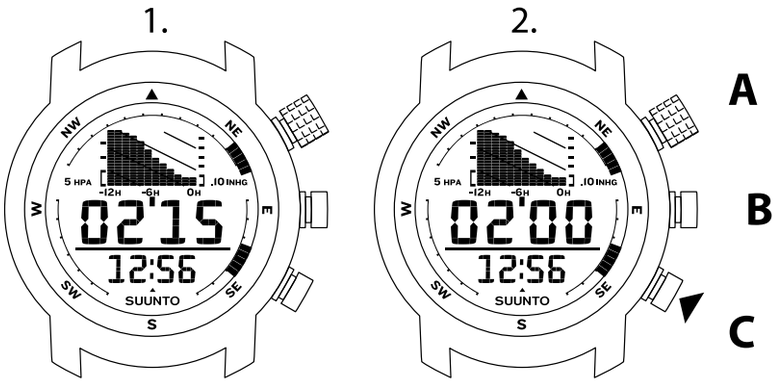
TIP: *The sailing timer can be used as a stopwatch when the sailing time is set to 00'00.*

2.2.2 Synchronizing countdown time

Synchronize the sailing timer with the official countdown time before the race, if you missed the start of the official countdown.

To synchronize the sailing timer:

1. After the official countdown has started and you have started the sailing timer, wait for the next official signal.
2. When you hear the signal, press [C] to synchronize the timer downwards to the next full minute. The sailing timer continues the countdown until it reaches zero.



NOTE: *You cannot access the compass when the sailing timer is running.*

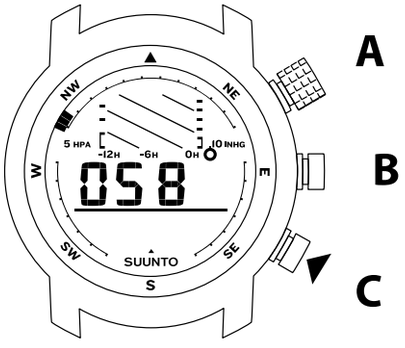
2.2.3 Using race timer

When the sailing timer reaches zero, the race timer begins. The race timer is used for measuring the time used in a sailing competition. The timer stops and resets when it reaches its maximum value. Press [A] to stop/start the race timer again.

2.3 Compass view

COMPASS view allows you to orient yourself in relation to magnetic North. Suunto Elementum Ventus has a tilt compensated compass which means that the reading is steady even if the compass is tilted.

1. Activate **COMPASS** view from **TIME** or **SAILING** mode by pressing [C].
2. Press [B] or [C] to deactivate **COMPASS** view.



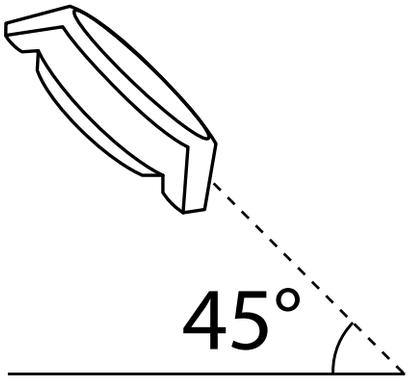
NOTE: ***COMPASS*** *view will automatically disappear after 60 s.*

NOTE: ***COMPASS*** *cannot be accessed from* ***SAILING*** *mode when the sailing timer countdown is on.*

2.3.1 Calibrating compass

To check the compass accuracy:

Go to **COMPASS** view and keep the device level and the display upwards. Tilt the display 45º towards yourself. If the reading changes more than 20º, you need to calibrate the compass.



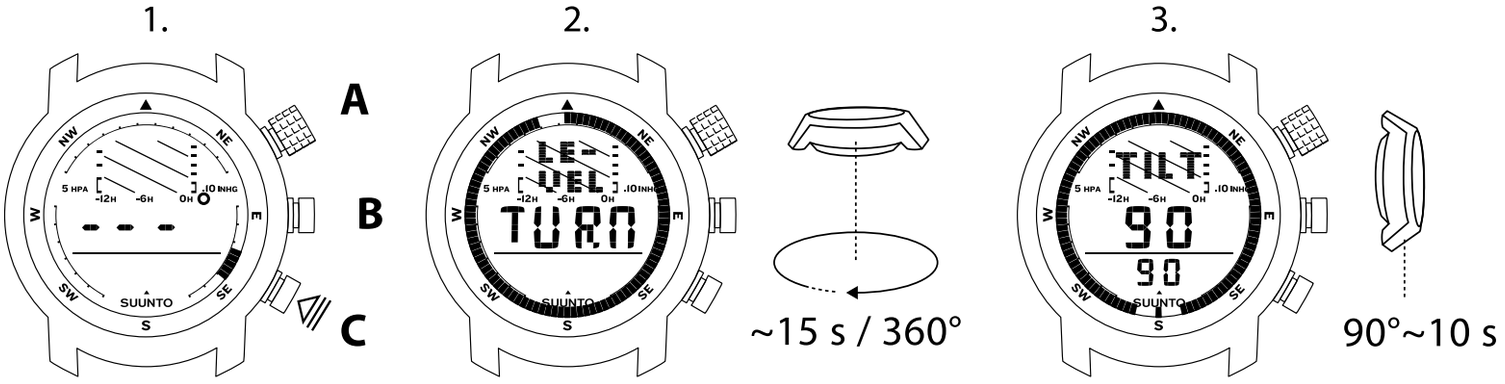
NOTE: *Avoid any metal or magnetic fields as they disturb the calibration.*

The calibration includes two sequences. The sequences follow each other automatically, so read all the instructions before starting the calibration.

To calibrate the compass:

1. In **COMPASS** view, keep [C] pressed to activate the calibration.
2. Keep the device level and rotate the compass until the outer rim segments of the display are filled and you hear the confirmation sound. Text 'LEVEL' is blinking on the display when the device is not leveled.

3. The tilt calibration starts automatically after a successful level calibration.
4. Keep the device tilted 90º until you hear the confirmation sound. The device informs 'OK' when the calibration is successful.



NOTE: *The device informs 'FAIL' if the calibration does not succeed. If the calibration fails, re-calibrate the compass.*

TIP: *Buckle the device strap, place the support cushion inside the strap and put it in the package so that the device is level. Perform the calibration on a table, which does not contain metal.*

3 CARE AND MAINTENANCE

Handle the unit with care – do not knock or drop it.

Under normal circumstances the unit will not require servicing. After use, rinse it with fresh water, mild soap and carefully clean the housing with a moist soft cloth or chamois. Clean the white strap with soap.

If you need to adjust the metal bracelet length or replace the strap/bracelet, contact your nearest watch store to get the needed adjustments correctly done for you.

NOTE: *Do not use detergents or solvents of any kind as they might cause damage to the unit.*

Do not try to repair the unit yourself. Contact an authorized Suunto service, distributor or retailer for any repairs. Use only original Suunto accessories - damage caused by non-original accessories will not be covered by warranty.

Suunto Elementum Ventus is tested according to the ISO standard 2281. This means that the product is water-resistant. Rain, showering, swimming and other normal exposure to water will not affect its operation. The buttons can be pressed while submerged.

3.1 Battery replacement

If is displayed, or if the display is faded or weak, a battery replacement is recommended.

NOTE: *Do not attempt to replace the battery yourself. Contact your local watch store to get the battery replaced.*

4 SPECIFICATIONS

4.1 Technical specifications

General

- Operating temperature: -10 °C to +60 °C / -2°F to +140°F
- Storage temperature: -30 °C to +60 °C / -22°F to +140°F
- Water resistance: 100 m / 300 ft (ISO 2281)
- Scratch-resistant sapphire crystal
- Battery type: CR2032
- Battery life: approximately 1 year in normal use

Sailing timer

- 60 minutes

Race timer/Stopwatch

- Max. time: 99 days 23 h
- Resolution: 0.1 s (0-60 s), 1 s (1-59 min), 1 min (1-24 h), 1 h (1 day and more)

Barometer

- Display range: 300-1100 hPa / 8.85-32.48 inHg
- Resolution: 1 hPa / 0.03 inHg
- Barometer memory capacity: 36 h

Compass

- Resolution: 1°
- Max. tilt angle 45°

4.2 Trademark

Suunto Elementum Ventus, its logos, and other Suunto brand trademarks and made names are registered or unregistered trademarks of Suunto Oy. All rights are reserved.

4.3 Copyright

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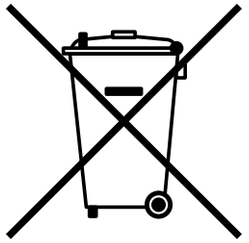
While we have taken great care to ensure that information contained in this documentation is both comprehensive and accurate, no warranty of accuracy is expressed or implied. This document content is subject to change at any time without notice. The latest version of this documentation can be downloaded at www.suunto.com.

4.4 Patent notice

This product is protected by pending patent application US 12/153,505. Other patents have been applied for.

4.5 Disposal of device

Please dispose of the device in an appropriate way, treating it as electronic waste. Do not throw it in the garbage. If you wish, you may return the device to your nearest Suunto representative.



5 WARRANTY

SUUNTO LIMITED WARRANTY FOR WRISTOP COMPUTERS, DIVING COMPUTERS, PRECISION INSTRUMENTS, WATCHES, MARINE COMPASSES AND FIELD COMPASSES

This Limited Warranty is valid as of January 1st, 2008.

Suunto warrants that during the Warranty Period Suunto or a Suunto Authorized Service Center (hereinafter referred to as Service Center) will, at its sole discretion, remedy defects in materials or workmanship free of charge either by a) repairing the Product or the parts, or b) replacing the Product or the parts, or c) refunding the purchase price of the Product, subject to the terms and conditions of this Limited Warranty. Your mandatory legal rights under your applicable national laws relating to the sale of consumer products are not affected by this Limited Warranty.

This Limited Warranty is only valid and enforceable in the country in which you purchased the Product, provided that Suunto has intended the Product for sale in that country. If, however, you purchased the Product in a member state of the European Union, Iceland, Norway, Switzerland, or Turkey, and Suunto originally intended the Product for sale in one of these countries, this Limited Warranty is valid and enforceable in all of these countries. The warranty service may be limited due to the possible country-specific elements in the Products.

In countries outside the European Union, Iceland, Norway, Switzerland, or Turkey, subject to your agreement to pay a service fee and compensation for the possible shipment costs incurred by Suunto or a Service Center, you can have warranty service other than in the country in which you purchased the Product.

Warranty Period

The Warranty Period starts at the date of retail purchase by the original end-user purchaser. The Warranty Period varies depending on the Product you have purchased and are the following:

a. Two (2) years for the wristop computers, diving computers, precision instruments and watches

b. Ten (10) years for the marine compasses

c. Limited lifetime warranty for the field compasses

The Warranty Period for the consumable parts and accessories for all products including but not limited to chargeable batteries, chargers, docking stations, straps, cables, and hoses (whether included in the sales package or sold separately) is one (1) year.

To the extent your national laws permit, the Warranty Period will not be extended or renewed or otherwise affected due to subsequent resale, Suunto authorized repair or replacement of the Product. However, part(s) repaired or replaced during the Warranty Period will be warranted for the remainder of the original Warranty Period or for three (3) months from the date of repair or replacement, whichever is longer.

Exclusions and Limitations

This Limited Warranty does not cover:

1. a) normal wear and tear, b) defects caused by rough handling (defects caused by sharp items, by bending, compressing or dropping, etc.), or c) defects or damage caused by misuse of the Product or contrary to the instructions;
2. user manuals or any third-party software (even if packed or sold with the Suunto hardware), settings, content or data, whether included or

downloaded in the Product, or whether included during installment, assembly, shipping or at any other time in the delivery chain or otherwise and in any way acquired by you;
3. defects or alleged defects caused by the fact that the Product was used with, or connected to, any product, accessory, software and/or service not manufactured or supplied by Suunto, or was used otherwise than for its intended use;
4. replaceable batteries.

This Limited Warranty is not enforceable if:

1. the Product has been opened, modified, or repaired by anyone other than Suunto or Service Center;
2. the Product has been repaired using unauthorized spare parts;
3. the Product's serial number has been removed, erased, defaced, altered, or made illegible in any way - and this shall be determined at the sole discretion of Suunto;
4. the Product has been exposed to influence from chemical products including (but not limited to) mosquito repellents.

Suunto does not warrant that the operation of the Product will be uninterrupted or error free, or that the Product will work in combination with any hardware or software provided by a third party.

Access to Suunto warranty service

Please remember to register your Product at www.suunto.com/customer service. Save also the purchase receipt and/or registration card. These documents can be required for the access to Suunto warranty service.

Please access and review the online help resources available at www.suunto.com or referred to in the Product manual before seeking warranty service.

If a claim under this Limited Warranty appears to be necessary, please return your wristop computer either through Suunto Service Request available at www.suunto.com or contact your local authorized Suunto retailer. For all other Products covered by this Limited Warranty, contact your local authorized Suunto retailer – for contact information please visit the Suunto website www.suunto.com or call the Suunto Help Desk +358 2 284 1160 (national or premium rates may apply) for further details and instructions how to bring your Product for Warranty Service. Please, use prepaid fright, when shipping your Product to your local authorized Suunto retailer.

Other important notices

Please remember to take backup copies of all important content and data stored in your Product because content and data may be lost during repair or replacement of the Product. Suunto or a Service Center is not responsible for any damage or loss of any kind whatsoever resulting from loss of, damage to, or corruption of content or data during repair or replacement of the Product.

When the Product or a part is replaced, any replaced item becomes the property of Suunto. If a refund is given, the Product for which the refund is given must be returned to a Service Center as it becomes the property of Suunto and/or Service Center.

Limitation of Liability

To the maximum extent permitted by applicable mandatory laws, this limited warranty is your sole and exclusive remedy and is in lieu of all other warranties,

expressed or implied. Suunto shall not be liable for special, incidental, punitive, or consequential damages, including but not limited to loss of anticipated benefits or profits, loss of savings or revenue, loss of data, punitive damages, loss of use of the Product or any associated equipment, cost of capital, cost of any substitute equipment or facilities, downtime, the claims of any third parties, including customers, and damage to property, resulting from the purchase or use of the Product or arising from breach of the warranty, breach of contract, negligence, strict tort, or any other legal or equitable theory, even if Suunto knew of the likelihood of such damages. Suunto shall not be liable for delay in rendering service under the limited warranty, or loss of use during the time the Product is being repaired.

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